RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/564,981
Source: IFW
Date Processed by STIC: 1-27-06

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IFWP

RAW SEQUENCE LISTING DATE: 01/27/2006
PATENT APPLICATION: **US/10/564,981** TIME: 09:58:38

Input Set : **A:\13150-70090US.ST25.txt**
Output Set: **N:\CRF4\01272006\J564981.raw**

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      3 <110> APPLICANT: MINERVA BIOTECHNOLOGIES CORPORATION
      4       Bamdad, Cynthia C
      6 <120> TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND TREATMENT OF CANCER
      8 <130> FILE REFERENCE: 13150-70090US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/564,981
C--> 10 <141> CURRENT FILING DATE: 2006-01-13
     10 <150> PRIOR APPLICATION NUMBER: US 09/996,069
     11 <151> PRIOR FILING DATE: 2001-11-27
     13 <150> PRIOR APPLICATION NUMBER: US 10/237,150
     14 <151> PRIOR FILING DATE: 2002-09-05
     16 <150> PRIOR APPLICATION NUMBER: US 10/236,863
     17 <151> PRIOR FILING DATE: 2002-09-05
     19 <150> PRIOR APPLICATION NUMBER: PCT/US2004/027954
     20 <151> PRIOR FILING DATE: 2004-08-26
     22 <150> PRIOR APPLICATION NUMBER: US 60/610,038
     23 <151> PRIOR FILING DATE: 2004-09-14
     25 <150> PRIOR APPLICATION NUMBER: PCT/US2005/032821
     26 <151> PRIOR FILING DATE: 2005-09-14
     28 <160> NUMBER OF SEQ ID NOS: 29
     30 <170> SOFTWARE: PatentIn version 3.3
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     34 <212> TYPE: PRT
     35 <213> ORGANISM: Homo sapiens
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     44             20                  25                  30
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     53 <212> TYPE: PRT
     54 <213> ORGANISM: Homo sapiens
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     59 1               5                  10                  15
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     63             20                  25                  30
     66 Ser Asp Val Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala His His His
     67         35                  40                  45
     70 His His His
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Input Set : A:\13150-70090US.ST25.txt
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74 <210> SEQ ID NO: 3
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76 <212> TYPE: PRT
77 <213> ORGANISM: Homo sapiens
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85 Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Pro Tyr
86             20                  25                  30
89 Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe
90         35                  40                  45
93 His His His His His His
94     50
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 31
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 4
104 His His His His His His Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe
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108 Arg Pro Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu
109             20                  25                  30
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114 <212> TYPE: PRT
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 5
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120 1               5                  10                  15
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124             20                  25                  30
127 Pro Ala His Gly Val Thr Ser Ala His His His His His His
128         35                  40                  45
131 <210> SEQ ID NO: 6
132 <211> LENGTH: 33
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapiens
136 <400> SEQUENCE: 6
138 Gly Thr Ile Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys
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143             20                  25                  30
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152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
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Input Set : A:\13150-70090US.ST25.txt
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157 Gly Thr Ile Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys
158 1               5                   10                  15
161 Thr Glu Ala Ala Ser Pro Tyr Asn Leu Thr Ile Ser Asp Val Ser Val
162             20                  25                  30
165 Ser Asp Val Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala
166         35                  40                  45
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170 <211> LENGTH: 25
171 <212> TYPE: PRT
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 8
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177 1               5                   10                  15
180 Val Gln Leu Thr Leu Ala Phe Arg Glu
181             20                  25
184 <210> SEQ ID NO: 9
185 <211> LENGTH: 40
186 <212> TYPE: PRT
187 <213> ORGANISM: Homo sapiens
189 <400> SEQUENCE: 9
191 Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly
192 1               5                   10                  15
195 Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro
196             20                  25                  30
199 Pro Ala His Gly Val Thr Ser Ala
200         35                  40
203 <210> SEQ ID NO: 10
204 <211> LENGTH: 1255
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 10
210 Met Thr Pro Gly Thr Gln Ser Pro Phe Phe Leu Leu Leu Leu Leu Thr
211 1               5                   10                  15
214 Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
215             20                  25                  30
218 Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
219         35                  40                  45
222 Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
223     50                  55                  60
226 Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
227 65                  70                  75                  80
230 Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
231                 85                  90                  95
234 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
235             100                 105                 110
238 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
239         115                 120                 125
242 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
243     130                 135                 140
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Input Set : A:\13150-70090US.ST25.txt
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246 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
247 145                 150                 155                 160
250 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
251                 165                 170                 175
254 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
255             180                 185                 190
258 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
259         195                 200                 205
262 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
263     210                 215                 220
266 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
267 225                 230                 235                 240
270 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
271                 245                 250                 255
274 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
275             260                 265                 270
278 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
279         275                 280                 285
282 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
283     290                 295                 300
286 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
287 305                 310                 315                 320
290 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
291                 325                 330                 335
294 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
295             340                 345                 350
298 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
299         355                 360                 365
302 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
303     370                 375                 380
306 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
307 385                 390                 395                 400
310 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
311                 405                 410                 415
314 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
315             420                 425                 430
318 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
319         435                 440                 445
322 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
323     450                 455                 460
326 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
327 465                 470                 475                 480
330 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
331                 485                 490                 495
334 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
335             500                 505                 510
338 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
339         515                 520                 525
342 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
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Input Set : A:\13150-70090US.ST25.txt
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343     530                 535                 540
346 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
347 545                 550                 555                 560
350 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
351                 565                 570                 575
354 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
355             580                 585                 590
358 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
359         595                 600                 605
362 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
363     610                 615                 620
366 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
367 625                 630                 635                 640
370 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
371                 645                 650                 655
374 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
375             660                 665                 670
378 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
379         675                 680                 685
382 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
383     690                 695                 700
386 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
387 705                 710                 715                 720
390 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
391                 725                 730                 735
394 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
395             740                 745                 750
398 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
399         755                 760                 765
402 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
403     770                 775                 780
406 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
407 785                 790                 795                 800
410 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
411                 805                 810                 815
414 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
415             820                 825                 830
418 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
419         835                 840                 845
422 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
423     850                 855                 860
426 Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser
427 865                 870                 875                 880
430 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
431                 885                 890                 895
434 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
435             900                 905                 910
438 Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro
439         915                 920                 925
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VERIFICATION SUMMARY DATE: 01/27/2006
PATENT APPLICATION: US/10/564,981 TIME: 09:58:39

Input Set : A:\13150-70090US.ST25.txt
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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date